

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## TRANSMITTAL FORM

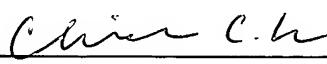
(to be used for all correspondence after initial filing)

		Application Number	10/776,933-Conf. #2102
		Filing Date	February 10, 2004
		First Named Inventor	Bo Hansen
		Art Unit	N/A
		Examiner Name	Not Yet Assigned
Total Number of Pages in This Submission		Attorney Docket Number	58614(71432)

### ENCLOSURES (Check all that apply)

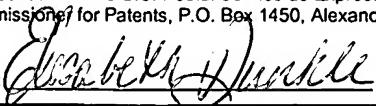
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	Return Receipt Postcard
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Reply to Missing Parts/ Incomplete Application	<input type="checkbox"/> Remarks	
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	EDWARDS & ANGELI LLP		
Signature			
Printed name	Christine C. O'Day		
Date	November 10, 2004	Reg. No.	38,256

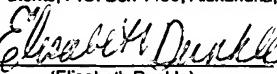
I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV517930556US, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: November 10, 2004

Signature:  (Elisabeth Dunkle)

O I P E  
NOV 11 2004  
P A T E N T & T R A D E M A R K O F F I C E

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV517930556US, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: November 10, 2004 Signature:   
(Elisabeth Dunkle)

Docket No.: 58614(71432)  
(PATENT)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:  
Bo Hansen et al.

Application No.: 10/776,933

Confirmation No.: 2102

Filed: February 10, 2004

Art Unit: N/A

For: OLIGOMERIC COMPOUNDS FOR THE  
MODULATION OF THIOREDOXIN  
EXPRESSION

Examiner: Not Yet Assigned

### SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (IDS)

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In accordance with 37 CFR 1.97, Applicant(s) hereby make of record the following additional documents. A PTO Form SB/08 and a full copy of each of these documents accompany this statement.

Applicant(s) have become aware of the following documents, cited in an International Search Report issued August 12, 2004 (copy enclosed), during the prosecution of international application no. PCT/DK2004/000095, which corresponds to the above referenced application, and in accordance with 37 CFR 1.97(c) and (e)(1) or (b)(3), hereby submit(s) these documents for the Examiner's consideration. These documents are cited on the enclosed PTO Form SB/08, and a copy of the International Search Report and each document cited thereon are enclosed as well.

This statement is not to be interpreted as a representation that the cited documents are material, that an exhaustive search has been conducted, or that no other relevant information exists. Nor shall the citation of any document herein be construed *per se* as a representation that such document is prior art. Moreover,

Applicant(s) understand(s) the Examiner will make an independent evaluation of the cited documents.

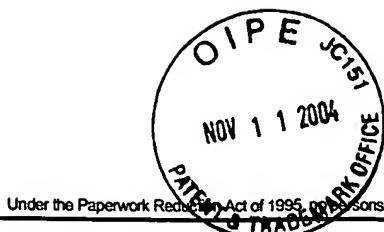
The undersigned hereby certifies that each item contained in this Supplemental Information Disclosure Statement was cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 04-1105, under Order No. 58614(1432). A duplicate copy of this paper is enclosed.

Dated: November 10, 2004

Respectfully submitted,

By Christine C. O'Day  
Christine C. O'Day  
Registration No.: 38,256  
EDWARDS & ANGELL, LLP  
P.O. Box 55874  
Boston, Massachusetts 02205  
(617) 439-4444  
Attorney for Applicant



Substitute for form 1449A/B/PTO				Complete if Known	
				Application Number	10/776,933-Conf. #2102
				Filing Date	February 10, 2004
				First Named Inventor	Bo Hansen
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	58614(1432)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)			
BA	WO-01/48190-A2	07-05-2001	Exiqon A/S		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
	CA	E.A.L. Biessen et al.: "Design of a targeted peptide nucleic acid prodrug to inhibit hepatic human microsomal triglyceride transfer protein expression in hepatocytes" Bioconjugate Chemistry, Vol. 13, 2002, pages 295-302, XP002290397			
	CB	K. Hori et al.: "Expression of Adult T Cell Leukemia-derived Factor / Human Thioredoxin in Human Gliomas" Mie Medical Journal, Vol. 44, No. 1, 1994, pages 19-24, XP008033406			
	CC	T. Andoh et al.: "The Roles of Thioredoxin in Protection against Oxidative Stress-induced Apoptosis in SH-SY5Y Cells" The Journal of Biological Chemistry, Vol. 277, No. 12, 2002, pages 9655-9660, XP002290398			
	CD	M. Saitoh et al.: "Mammalian thioredoxin is a direct inhibitor of apoptosis signal-regulating kinase (ASK) 1" EMBO Journal, Vol. 17, No. 9, 1998, pages 2596-2606, XP002106020			
	CE	J. Kurreck et al.: "Design of antisense oligonucleotides stabilized by locked nucleic acids" Nucleic Acids Research, Vol. 30, No. 9, 2002, pages 1911-1918, XP002281375			
	CF	K. Morita et al.: "2'-O, 4'-C-Ethylene-Bridged Nucleic Acids (ENA): Highly Nuclease-Resistant and Thermodynamically Stable Oligonucleotides for Antisense Drug" Bioorganic and Medicinal Chemistry Letters, Vol. 12, 2002, pages 73-76, XP002290399			
	CG	D.A. Braasch et al.: "Antisense inhibition of gene expression in cells by oligonucleotides incorporating locked nucleic acids: effect of mRNA target sequence and chimera design" Nucleic Acids Research, Vol. 30, No. 23, 2002, pages 5160-5167, XP002290400			
	CH	K. H. Altmann et al.: "Novel Chemistry" 1998, Applied Antisense Oligonucleotide Technology, Wiley-Liss, Inc., U.S., Chapter 4, pages 73-107, XP002119324			
	CI	D.A. Braasch et al.: "Locked nucleic acid (LNA): fine-tuning the recognition of DNA and RNA" Chemistry and Biology, Vol. 8, No. 1, 2001, pages 1-7, XP002255827			
	CJ	H. Ørum et al.: "Locked nucleic acids: A promising molecular family for gene-function analysis and antisense drug development" Current Opinion in Molecular Therapeutics, Vol. 3, No. 3, 2001, pages 239-243, XP 001179829			
	CK	K. Fluiter et al.: "In vivo tumor growth inhibition and biodistribution studies of locked nucleic acid (LNA) antisense oligonucleotides" Nucleic Acids Research, Vol. 31, No. 3, 2003, pages 953-962, XP002290401			

Examiner Signature	Date Considered
--------------------	-----------------

Substitute for form 1449A/B/PTO				<i>Complete If Known</i>	
				Application Number	10/776,933-Conf. #2102
				Filing Date	February 10, 2004
				First Named Inventor	Bo Hansen
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	58614(1432)

	CL	A.S. Rait et al.: "Inhibitory effects of the combination of HER-2 antisense oligonucleotide and chemotherapeutic agents used for the treatment of human breast cancer" Cancer Gene Therapy, Vol. 8, No. 10, 2001, pages 728-739, XP0088005112	
--	----	---	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
--------------------	--	-----------------	--



Application No. (if known): 10/776,933

Attorney Docket No.: 58614(71432)

## Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. EV517930556US in an envelope addressed to:

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

on November 10, 2004  
Date



Signature

Elisabeth Dunkle

Typed or printed name of person signing Certificate

Registration Number, if applicable

(617) 439-4444

Telephone Number

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

IDS (Citation) by Applicant (13 Refs)